WAYPOINTS
WGS84
Average ≥80 times

BASIC TERRESTRIAL VISIT 1 - Multi-species Baseline Initiative - Protocol - Summer 2013

TRANSECT LOCATION/DIRECTION

1) Travel to the assigned waypoint for the grid. If it is impossible to set transect up at site (cliff face, in water) move 50 meters north. If you can't go north go east, south, then west. If you can't set the transect up 50 meters from assigned point. Move 50 meters again as above. Continue until suitable spot is located.
2) Find a suitable tree within 40 meters of assigned point for climate logger (>12" diameter, a conifer, not whitebark pine, and in shady location). Place logger on north side of this tree. *If no trees, do not deploy logger.*
3) Write cell number in dry erase marker on 'begin' card. Take a picture of the paper. While standing at climate logger tree take three pictures facing 45°, 180°, and 315°, including notecard with bearing (write cell # on card) in photo. Label pictures C, cell #, P, bearing.

CLIMATE DATA LOGGER (TRIX8)

1) **Record 10 digit serial number of data logger. DO NOT PRESS START button**. **If no logger is to be placed, still attach plastic cup to tree.**
2) Use aluminum nails to attach radiation shield cover to north side of tree about 5 feet off the ground.
3) Use 4" zip tie to attach data logger to top of 2 plate shield fairly tight.
4) Use three 8" zip ties to suspend the 2 plate shield from cover.
5) Photograph the radiation shield. Photo should show the surroundings of the shield. Label photo: C, cell #, P, T.
6) Use aluminum nail to place 9oz plastic cup to tree immediately above radiation shield.
7) Waypoint station and tie flag around tree above it. Label flag with cell #.

Photograph All:
CDA Salamander
Wood Frog
N. Leopard Frog
Tiger Salamander

GASTROPOD TRAPS

1) Use compass to face 45° and run transect along this bearing.
2) The gastropod transect will begin 5 meters from the FIA plot center tree.
3) Use a sharpie to label one trap M (micro-brew) and two traps N (natural ice).
4) Use a zip lock bag to soak each trap in 12 oz of the appropriate bait. Use separate bags for each kind of bait.
5) Write type of micro-brew (i.e. IPA, Pale) on data sheet.
6) Place traps 10 meters apart, corrugation down, in this order: M, Na, Nb.
7) Pull leaf litter from floor, place trap directly on soil, put litter back on trap to retain moisture. Do not move litter more than a few inches to place on top of trap.
8) Waypoint only the first trap in transect, but flag each set.

BEETLES

1) One pitfall between each gastropod trap (3 total), 10 meters from each other/5 meters from gastropod traps).
2) Ensure top of pitfall is level with leaf litter surface (not soil surface), place bug strip in each pitfall.

TIMED SEARCH

1) Conduct search within 50 meters of temp logger.
2) Spend 15 minutes searching for gastropods. Collect all gastropods in one vial.
3) Use pencil and designated paper to create label: 'C, xxx, GTS, Visit #', Date, Observer ex: **C142GTSV1, 15 JUNE 13, JJJ** = cell142, GTS, collected on 15 June 2011 by Jim John Jones on the first visit to the cell.
4) Pour water into each vial and allow to stand for at least 1 hour or until samples are dead.
5) Pour water off, being careful not to lose specimens, and fill vial with enough 70% Ethanol to cover samples.
6) Collect a tissue sample from the first two individuals of each amphibian species you encounter. Clip one digit (digit 3 or 5 is best) from hind foot. Between each sample wipe scissors with bleach. Use alcohol wipe to clean hands before handling amphibian.

INCIDENTAL OBSERVATIONS

1) If bumblebees are encountered during survey spend 5 minutes attempting to photograph individuals. If *western* bumble bee is seen spend up to 15 minutes attempting to photograph.
2) Watch and listen for other target animals as you conduct the survey. Note as directed on data sheet.
3) At end of survey write the cell number on 'end' laminated card. Take a picture. This should be the last picture you take at the cell.